CLAIMS

1. A method for secure transmissions, the method comprising:
determining a registration key specific to a participant in a transmission;
determining a first key;
encrypting the first key with the registration key;
determining a second key;
encrypting the second key with the first key; and
updating the first and second keys.

2. The method as in claim 1, wherein updating further comprises:
updating the first key according to a first time period; and
updating the second key according to a second time period, wherein the second time period is less than the first time period.

3. The method as in claim 2, wherein updating further comprises:
encrypting an updated first key with the registration key ; and
encrypting an updated second key with the updated first key.

4. The method as in claim 2, further comprising:
encrypting a broadcast stream of information using the second key; and
transmitting the encrypted broadcast stream of information.

5. The method as in claim 4, wherein the broadcast stream of information comprises video information.

6. The method as in claim 4, wherein the broadcast stream of information comprises Internet Protocol packets.

7. The method as in claim 3, further comprising:
calculating a registration key information message; and
transmitting the registration key information message.

8. The method as in claim 7, further comprising:
calculating a first key information message corresponding to the updated and encrypted first key; and
transmitting the first key information message.

9. The method as in claim 8, further comprising:
calculating a second key information message corresponding to the updated and encrypted second key; and
transmitting the second key information message.

10. The method as in claim 1, further comprising:
transmitting the encrypted first key; and
transmitting the encrypted second key.

11. A method for secure reception of a transmission, the method comprising:
receiving a registration key specific to a participant in a transmission;
receiving a first key;
decrypting the first key with the registration key;
receiving a second key;
decrypting the second key with the first key;
receiving a broadcast stream of information; and
decrypting the broadcast stream of information using the second key.

12. The method as in claim 11, further comprising:
storing the first key in a secure memory storage unit; and
storing the second key in a memory storage unit.

13. The method as in claim 11, further comprising:
recovering the first key from a first key information message; and
recovering the second key from a second key information message.

14. The method as in claim 11, further comprising:
updating the first key according to a first time period; and
updating the second key according to a second time period.

15. In a wireless communication system supporting a broadcast service option, an infrastructure element comprising:
a receive circuitry;
a user identification unit, operative to recover a short-time key for decrypting a broadcast message, comprising:
processing unit operative to decrypt key information;
memory storage unit for storing a registration key; and
a mobile equipment unit adapted to apply the short-time key for decrypting the broadcast message.

16. The infrastructure element as in claim 15, wherein the short-time key is processed by the user identification unit and passed to the mobile equipment unit.

17. The infrastructure element as in claim 15, wherein the memory storage unit is a secure memory storage unit.

18. The infrastructure element as in claim 15, wherein the memory storage unit stores a broadcast access key, and wherein the processing unit decrypts the short-time key using the broadcast access key.

19. The infrastructure element as in claim 18, wherein the short-time key is updated at a first frequency.

20. The infrastructure element as in claim 19, wherein the broadcast access key is updated at a second frequency less than the first frequency.

21. The infrastructure element as in claim 15, wherein the broadcast service option is a video service.

22. A wireless communication system, comprising:
means for determining a registration key specific to a participant in a transmission;

means for determining a first key;

means for encrypting the first key with the registration key;

means for determining a second key;

means for encrypting the second key with the first key; and

means for updating the first and second keys.

23. An infrastructure element, comprising:

means for receiving a registration key specific to a participant in a transmission;

means for receiving a first key;

means for decrypting the first key with the registration key;

means for receiving a second key;

means for decrypting the second key with the first key;

means for receiving a broadcast stream of information; and

means for decrypting the broadcast stream of information using the second key.

24. A digital signal storage device, comprising:

first set of instructions for receiving a registration key specific to a participant in a transmission;

second set of instructions for receiving a first key;

third set of instructions for decrypting the first key with the registration key;

fourth set of instructions for receiving a second key;

fifth set of instructions for decrypting the second key with the first key;

sixth set of instructions for receiving a broadcast stream of information; and

seventh set of instructions for decrypting the broadcast stream of information using the second key.